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| **Approx.**  **Day** | **Reference** | **Lesson** | **Suggested Work** |
| Day 1 | Text 13.1, 13.2 | Intro to Waves, Transmission | Pg. 449#1-3  Pg. 473 #8,9,10,14,23, 24, 26, 27, 30, 32, 33, 36-40,42 |
| Day 2 | Text 13.3 | Speed of Sound  Sound Intensity (I,R)  Decibels/ Logs (HMST only) | Pg. 473 #44ac,45ac,46,48,49-52  Pg. 454 #1-3  Pg. 458 #1-2  Pg. 476 #53-57, 60, 62 (HMST)  Pg. 458 #3-4 (HMST) |
| Day 3 | Text 13.4, 13.5, 13.6 | More Sound Intensity  Doppler Effect | Pg. 476 #64 - 69 |
| Day 4 | Text 14.1-14.4 | Superposition, Constructive/Destructive, Sound Waves & Matter  Standing Waves & Resonance  Show You Tube (Tacoma Narrows Bridge) | Pg. 487 #1  Pg. 490 #2  Pg. 511 #12  Pg. 512 #13, 14 |
| Day 5 | Text 14.5 | Air Columns | Handout 'Natural Frequencies of Vibration for Columns of Air' Page 501 #1, 2 Page 512-514 string questions....#29a, 30, 36  air column questions....21, 22, 23, 25 |
| Day 6 | Text 14.5 | Air Columns – more practice | Worksheet on Air Columns |
| Day 7 |  | LAB  Assignment – make wind instrument | Lab: Handout 'Calculating the Speed of Sound' |
| Day 8 | Text 14.6 | Factors affecting Frequency (Ratios)  14.7 (if time) | Pg. 501 #3  Pg. 513 #27, 28, 31, 32 |
| Day 9 |  | Review | Review Problems Handout (BLM 57-1) |
| Day 10 |  | TEST WAVES & SOUND |  |